

NEBRASKA WEATHER & CROPS

For Week Ending July 7, 1991

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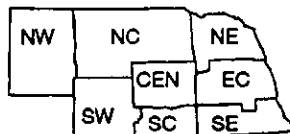
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National Weather Service



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WEATHER

The week began on the mild side but ended hot and humid. Temperatures averaged near normal for the entire week. Little to no precipitation occurred throughout the period.

GENERAL

Nebraska farmers and ranchers had very few weather delays in conducting fieldwork activities last week. The hot, dry winds continued to be conducive to wheat ripening and harvesting. Irrigation systems continued to pump water to crops. Dryland crops experienced another week of little or no rainfall with hot, dry winds, and were further stressed. Some southern and central areas of the State where rainfall was scarce during May and June are experiencing drought-like conditions. Other fieldwork activities included corn borer treatment, cultivating, and wild hay and alfalfa harvesting.

CROPS

Winter wheat condition was rated at 4% poor, 53% fair, and 43% good. Wheat harvest was in full swing in all areas of the State except the Panhandle. Statewide, harvest was 55% completed by week's end, well ahead of last year at 47% and the 5-year average at 45%. Reports continued to indicate some light test weights and poor yields as well as average to above average yields and test weights. Fields with rust and other disease problems also exhibited these same test weight and yield indications.

CROPS (Cont.)

Corn condition was rated at 1% poor, 20% fair, 64% good, and 15% excellent. Corn borer treatment continued with aerial and "elevated" spraying due to the height of the crop. Crop development was moving along at the normal pace except for some late planted and replanted corn. This later corn will need additional moisture to develop properly. Dryland corn was showing stress and is in need of rainfall. Tasselling and pollination has started on many early planted fields.

Sorghum and soybeans were both in mostly good condition. Cultivating of both crops continued and planting of some double crop soybeans in wheat stubble began last week. Both crops were showing stress from the hot, dry winds. Soybeans blooming was well ahead of last year and average. Spraying for chinch bugs in grain sorghum in the South District was active.

Alfalfa was in fair to good condition. Second cutting activity was behind last year and average. Wild hay was rated in mostly good condition. Wild hay harvest was active statewide last week.

LIVESTOCK

Pasture and range condition was rated at 89% of normal, in the good to excellent category. The hot, dry winds have taken their toll on grass condition, but some northern and western counties still report the best grass in years. Cattle on pastures continued to do well except for fly problems in several areas. Producers were spraying to control fly populations.

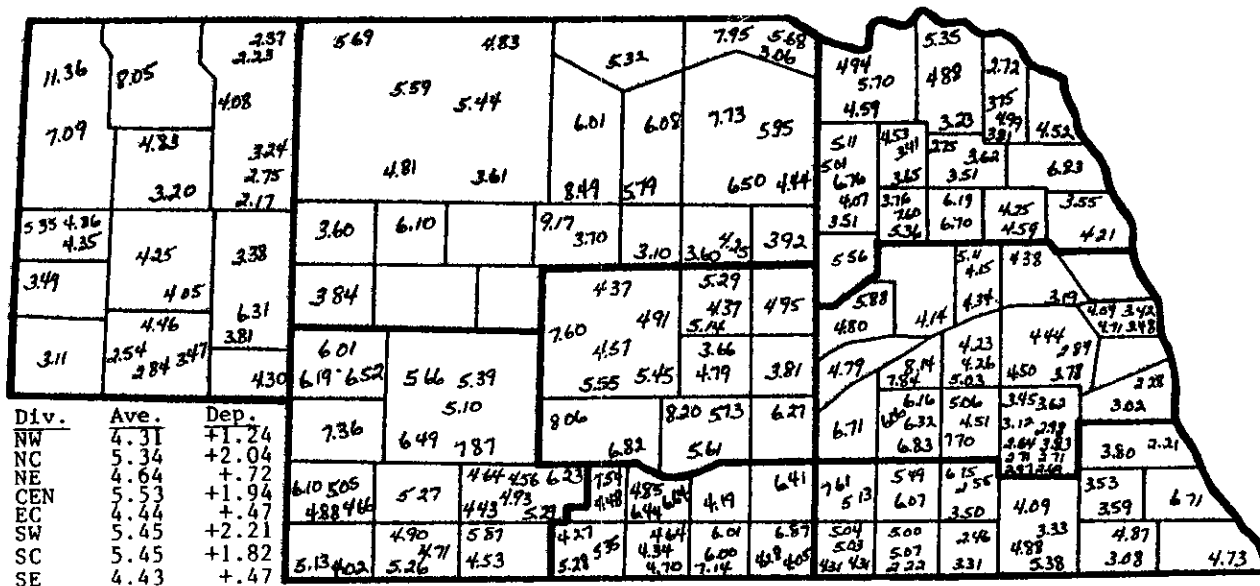
FIELD WORK PROGRESS AS OF JULY 7, 1991	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat ripe	22	58	100	99	100	100	100	100	74	41	70	75
% wheat harvested	1	32	42	51	84	67	100	100	55	23	47	45
% oats harvested	0	9	11	28	39	13	46	53	21	0	9	22
% corn silked	1	3	3	2	6	2	11	37	8	0	1	9
% soybeans blooming	0	12	22	2	18	4	17	46	24	7	1	17
% alfalfa second cutting	5	10	16	20	37	27	41	45	22	7	25	33
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 5, 1991												
Days suitable	6.4	7.0	6.3	7.0	6.4	6.9	6.9	6.3	6.6	6.2	6.6	
Topsoil moisture - Short	25	42	47	100	76	71	80	94	66	39	59	
(Percent) - Adequate	75	58	47	0	24	29	20	6	33	58	37	
- Surplus	0	0	6	0	0	0	0	0	1	3	4	
Subsoil moisture - Short	17	25	6	43	0	43	60	83	32	15	48	
(Percent) - Adequate	75	75	94	57	95	57	40	17	66	82	52	
- Surplus	8	0	0	0	5	0	0	0	2	3	0	

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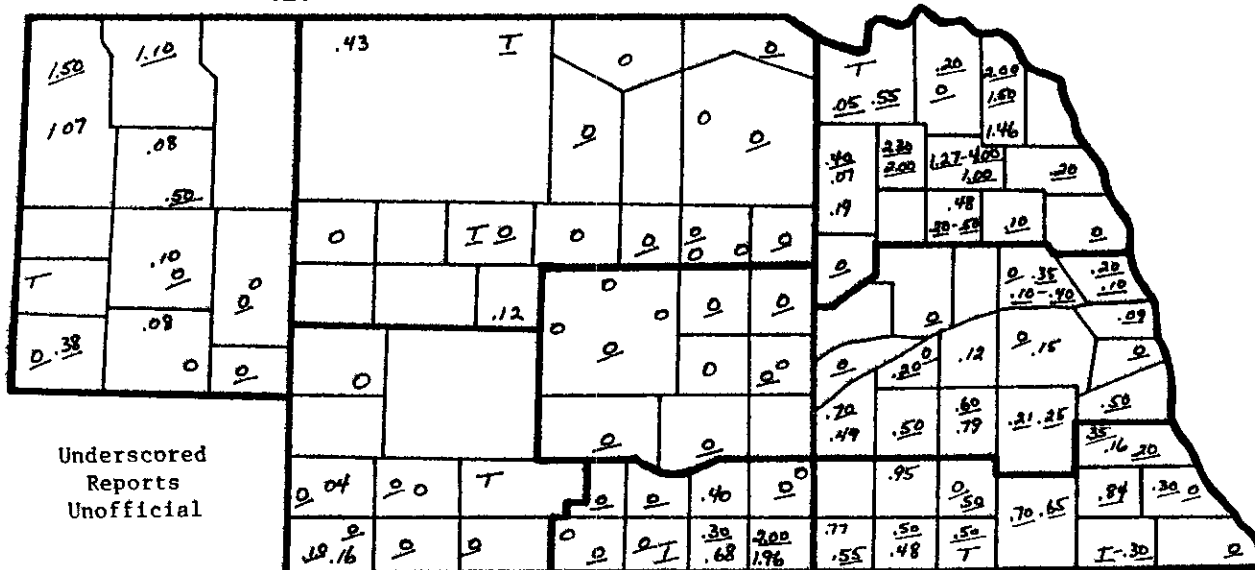
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PRECIPITATION MAP FOR MONTH OF MAY 1991 1/



1/ Courtesy of the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 5, 1991



Underscored
Reports
Unofficial

	Precipitation, April 1 - July 5, 1991							
	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week19	.07	.44	.00	.39	.03	.61	.47
Total since April 1	10.15	10.31	12.22	10.77	13.41	9.98	10.75	9.19
Normal since April 1	8.26	9.61	11.03	10.39	11.61	8.73	10.35	11.75
Total as % of normal	123%	107%	111%	104%	116%	114%	104%	78%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, JULY 7, 1991

WEEK ENDING SUNDAY, JULY 7, 1924										
Station		Temperature				Precipitation	Growing Degree Data Since April 15			
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal	
		Max	Min							
NW	Chadron	94	49	71	---	0	---	---	---	
	Scottsbluff	102	50	72	-1	.01	976	1113	1083	
	Sidney	100	48	73	---	0	934	1074	1075	
NC	Valentine	103	49	73	0	0	1101	1242	1086	
NE	Norfolk	99	59	77	+2	T	---	---	---	
	Sioux City	95	59	76	+1	0	---	---	---	
	Concord	---	---	---	---	---	1159	1321	1280	
	Elgin	---	---	---	---	---	1170	1334	1227	
	West Point*	---	---	---	---	---	1268	1431	1315	
	CEN	Grand Island	103	58	78	+2	T	1339	1512	1281
	Ord	102	51	76	---	0	1191	1349	1281	
	EC	Lincoln	101	58	79	+2	.02	1434	1610	1347
	Omaha	96	61	78	+3	.06	1418	1604	1277	
	Columbus	---	---	---	---	---	1331	1501	1316	
	York	---	---	---	---	---	1287	1465	1368	
	SW	Imperial	---	---	---	---	---	---	---	
	North Platte	101	51	74	+1	0	**1072	**1220	**1209	
	SC	Holdrege	---	---	---	---	1209	1371	1340	
	SE	Beatrice	---	---	---	---	1374	1539	1458	
	Clay Center	---	---	---	---	---	1285	1450	1370	

1/ Precipitation totals not included in map above. * Automated weather station. ** North Platte Experiment Station

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.